In the Claims

Please amend the claims as follows:

1.-2. (cancelled)

3. (currently amended) The voltage converter in accordance with claim ~~2~~ 5, further comprising a memory for the storage of operating data, which can be read out via the bus interface.

4. (currently amended) The voltage converter in accordance with claim ~~2~~ 5, further comprising a real time clock in order to correlate operating data with time values.

5. (currently amended) ~~The voltage converter in accordance with claim 2,~~ A voltage converter for converting a primary/secondary voltage into a secondary/primary voltage, comprising:

at least one controlled switch,

a control circuit that controls, according to its supplied set points, the at least one controlled switch with a variable pulse duty factor and/or variable control times and/or variable frequency,

a digital signal processor for the calculation of the set points for the control circuit,

wherein the voltage converter comprises an interface bus, via which operating parameters can be transmitted to the digital signal processor and can be preset from an external control center,

wherein the interface bus is bidirectional and operating data of the converter can be transmitted via the bus at the external control center,

the voltage converter further comprising an auxiliary energy memory for ~~the~~ a permanent energy supply ~~of~~ to the digital signal processor and/or ~~of the~~ a real time clock.

6. (previously presented) The voltage converter in accordance with claim 5, wherein the auxiliary energy memory is reloaded in the presence of primary voltage and/or secondary voltage.

7. (currently amended) The voltage converter in accordance with claim ~~3~~ 5, ~~further comprising~~ wherein ~~a~~ the real time clock ~~in order to~~ is configured to correlate operating data with time values.

8. (currently amended) ~~The voltage converter in accordance with claim 3,~~

A voltage converter for converting a primary/secondary voltage into a secondary/primary voltage, comprising:

at least one controlled switch,

a control circuit that controls, according to its supplied set points, the at least one controlled switch with a variable pulse duty factor and/or variable control times and/or variable frequency,

a digital signal processor for the calculation of the set points for the control circuit,

wherein the voltage converter comprises an interface bus, via which operating parameters can be transmitted to the digital signal processor and can be preset from an external control center, wherein the bus is bidirectional and operating data of the converter can be transmitted via the bus at the external control center,

the voltage converter further comprising a memory for the storage of operating data, which can be read out via the bus ~~further comprising~~ and an auxiliary energy memory for ~~the~~ a permanent energy supply ~~of~~ to the digital signal processor and/or ~~of the~~ a real time clock.

9. (currently amended) ~~The voltage converter in accordance with claim 4,~~

A voltage converter for converting a primary/secondary voltage into a secondary/primary voltage, comprising:

at least one controlled switch,

a control circuit that controls, according to its supplied set points, the at least one controlled switch with a variable pulse duty factor and/or variable control times and/or variable frequency,

a digital signal processor for the calculation of the set points for the control circuit,

wherein the voltage converter comprises an interface bus, via which operating parameters can be transmitted to the digital signal processor and can be preset from an external control center,

wherein the bus is bidirectional and operating data of the converter can be transmitted via the bus at the external control center, the voltage converter further comprising a real time clock to correlate operating data with time values ~~further comprising~~ and an auxiliary energy memory for ~~the~~ a permanent energy supply ~~of~~ to the digital signal processor and/or ~~of~~ the real time clock.

10. (previously presented) The voltage converter in accordance with claim 8, wherein the auxiliary energy memory is reloaded in the presence of primary voltage and/or secondary voltage.

11. (currently amended) ~~The voltage converter in accordance with claim 9,~~

A voltage converter for converting a primary/secondary voltage into a secondary/primary voltage, comprising:

at least one controlled switch,

a control circuit that controls, according to its supplied set points, the at least one controlled switch with a variable pulse duty factor and/or variable control times and/or variable frequency,

a digital signal processor for the calculation of the set points for the control circuit, wherein the voltage converter comprises an interface bus, via which operating parameters can be transmitted to the digital signal processor and can be preset from an external control center,

wherein the bus is bidirectional and operating data of the converter can be transmitted via the bus at the external control center, the voltage converter

further comprising a real time clock to correlate operating data with time values and an auxiliary energy memory for a permanent energy supply to the digital signal processor and/or the real time clock, wherein the auxiliary energy memory is reloaded in the presence of primary voltage and/or secondary voltage.